Conectiv Generator Interconnection Application –Long Form

(For Use with Generators Greater than 25 kW & Less than 1 MW)

An applicant (Generator Owner) makes application to Conectiv to install and operate a generating facility greater than 25kW and less than 1 MW interconnected with the Conectiv utility system.

Section 1, Applicant Information

Name: _____

Mailing Address: _____

City: _____ State:_____ Zip Code: _____

Facility Location (if different from above): _____

Telephone (Daytime): Area Code _____ Number _____ (Evening) Area Code _____ Number_____

Conectiv Power Delivery Account No. : _____ Pole Number: _____

Energy Service Provider Name: _____ Account No.: _____

Section 2, Generator Qualifications

Is the generator a Qualifying Facility as defined under Subpart B, Section 201 of the Federal Energy Regulatory Commission's regulations per the Public Utility Regulatory Policies Act of 1978?

☐ Yes ☐ No

Is Generator powered from a Renewable Qualifying Energy Source: ☐ Yes ☐ No

Type Qualifying Energy Source (if applicable): ☐ Solar ☐ Wind ☐ Hydro

Other generator energy source: ☐ Diesel, Natural Gas ☐ Diesel, Fuel Oil ☐ Other: _____

Will excess power be exported to Conectiv? ☐ Yes ☐ No

Site Load: _____ kW (Typical) Maximum Export: _____ kW.

Section 3, Generator Technical Information

Type of Generator: ☐ Synchronous ☐ Induction ☐ DC Generator or Solar with Inverter

Generator (or solar collector) Manufacturer, Model Name & Number: _____
(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

_____ Output Power Rating in kW: _____

Inverter Manufacturer, Model Name & Number (if used): _____
(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

_____ Rating in kW: _____

Generator Characteristic Data (for rotating machines):
(Not needed if Generator Nameplate and Manufacture's Specification Sheet is provided)

Direct Axis Synchronous Reactance, X_d: _____ P.U. Negative Sequence Reactance: _____ P.U.
Ddirect Axis Transient Reactance, X'_d: _____ P.U. Zero Sequence Reactance: _____ P.U.
Direct Axis Subtransient Reactance, X''_d: _____ P.U. KVA Base: _____

Conectiv Generator Interconnection Application -Long Form

(For Use with Generators Greater than 25 kW and Less than 1 MW)

Section 4, Interconnecting Equipment Technical Data

Will an interposing transformer be used between the generator and the point of interconnection? ☐ Yes ☐ No

Transformer Data (if applicable, for Customer Owned Transformer):
(A copy of transformer Nameplate and Manufacturer's Test Report may be substituted)

Size: _____ KVA . Transformer Primary : _____ Volts ☐ Delta ☐ Wye ☐ Wye Grounded

Transformer Secondary: _____ Volts ☐ Delta ☐ Wye ☐ Wye Grounded

Transformer Impedance: _____% on _____ KVA Base

Transformer Fuse Data (if applicable, for Customer Owned Fuse):
(Attach copy of fuse manufacturer's Minimum Melt & Total Clearing Time-Current Curves)

Manufacturer: _____ Type: _____ Size: _____ Speed: _____

Interconnecting Circuit Breaker (if applicable):
(A copy of breaker's Nameplate and Specification Sheet may be substituted)

Manufacturer: _____ Type: _____ Load Rating: _____ Interrupting Rating: _____ Trip Speed: ____
(Amps) (Amps) (Cycles)

Circuit Breaker Protective Relays (if applicable):
(Enclose copy of any proposed Time-Overcurrent Coordination Curves)

Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Manufacturer: _____ Type: _____ Style/Catalog No.: _____ Proposed Setting: _____

Current Transformer Data (if applicable):
(Enclose copy of Manufacturer's Excitation & Ratio Correction Curves)

Manufacturer: _____ Type: _____ Accuracy Class: _____ Proposed Ratio Connection: _____/5

Manufacturer: _____ Type: _____ Accuracy Class: _____ Proposed Ratio Connection: _____/5

Generator Disconnect Switch:

A generator disconnect device, accessible to Conectiv, **must be included** for all generators greater than 25 kW.

Manufacturer: _____ Type: _____ Catalog No.: _____ Rated Volts: _____ Rated Amps:_____

Single or 3 Phase: _____ Mounting Location: _____

Section 5, General Technical Information

Enclose copy of site One-Line Diagram showing configuration and interconnection of all equipment, current and potential circuits and protection and control schemes. Is One-Line Diagram Enclosed?: ☐ Yes

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is Any Available Documentation Enclosed?: ☐ Yes

Conectiv Generator Interconnection Application -Long Form

(For Use with Generators Greater than 25 kW and Less than 1 MW)

Section 5 (Continued)

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits. Are Schematic Drawings Enclosed?: ☐ Yes

Section 6, Installation Details

Generating System will be installed by: ☐ Owner ☐ State Licensed Electrician

Installing Electrician: _____ Firm: _____ License No.: _____

Mailing Address: _____

City: _____ State:_____ Zip Code: _____

Telephone: Area Code: _____ Number: _____

Installation Date: _____ Interconnection Date: _____

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of _____

Signed (Inspector): _____ Date: _____

(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

Section 7, Generator/Equipment Certification

Generating systems that use utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Conectiv Power Delivery's *Technical Considerations Covering Parallel Operations of Customer Owned Generation of Less than One (1) MW and Interconnected with the Conectiv Power Delivery System* document**. By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Signed (Applicant): _____ Date: _____

A Pre-Interconnection Study is normally required for generators greater than 25 kW. However, certain generator types/sizes and the location of the Point of Interconnection with Conectiv may permit a waver of the Pre-Interconnection Study.

Does the Generation Owner request a waver of the Pre-Interconnection Study? ☐ Yes ☐ No

A "Yes" response cannot insure that the Pre-Interconnection Study requirement will be waved. Conectiv has the sole authority to grant release from the requirement based on the merits of each individual Interconnection Application.

Section 8, Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct. I also agree to install a Warning Label provided by Conectiv Power Delivery on or near my service meter location.

Signature of Applicant: _____ Date: _____

Send the completed application to Conectiv Power Delivery Marketing Department Dept., Attn. Sheridan Montgomery, P.O. Box 231, Wilmington, Delaware 19899-0231.

Conectiv Generator Interconnection Application -Long Form

(For Use with Generators Greater than 25 kW and Less than 1 MW)

This page for use by Conectiv Only

Section 9, Approval or Non-Approval

Conectiv Power Delivery: ☐ Has Approved ☐ Has Not Approved this Interconnection Application.

Name : _____ Date: _____

Signature: _____

Reason of Not Approving: _____

_____

_____

_____

Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.

Section 10, Internal Notifications

Send Applicant Warning Label for installing on/ near service meter: ☐ Yes
Notify Billing Dept. of Interconnected Generation: ☐ Yes
Notify District Engineering of Interconnected Generation: ☐ Yes
Notify System Protection of Interconnected Generation: ☐ Yes